1f
Ba

B&W

seamless or welded

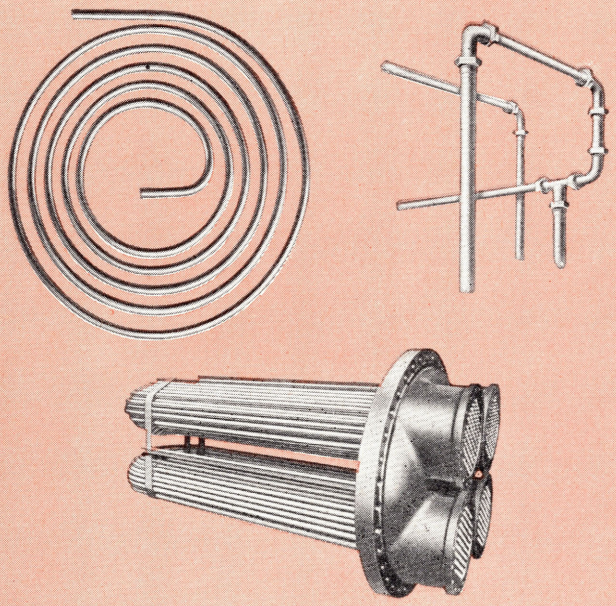
steel tubing

for pressure and mechanical uses

The Babcock & Wilcox Company, tubular products division

choose the tubing you need to do your job economically

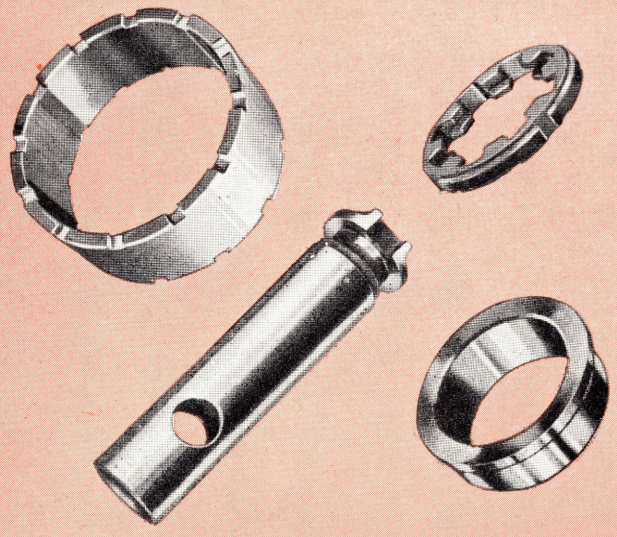
Steel tubing and pipe have such a great variety of applications throughout the power, process, and metal working industries that, obviously, no single type, grade, or finish can be the most suitable and economical for all purposes. Finding the right tubing for your particular application is, therefore, the most important factor in assuring satisfactory results. For ease of installation, long service life, and freedom from excessive maintenance—for ease of machining, bending, forming, and welding—whether you are concerned with pressure tubing or mechanical tubing, you can count on B&W. B&W Tubing is made both seamless and welded in a wide range of analyses and in various finishes. You can, therefore, make an unbiased choice of the tubing you need for any purpose from this one dependable source.



for pressure uses

Pressure tubing and pipe are used in the power, process, and other industries as conveying lines, and as an integral part of various types of heat transfer equipment, such as condensers, heat exchangers, pasteurizing and sterilizing units, pre-coolers, refrigerating and air conditioning units, evaporators, stills, economizers, air heaters, boilers, and furnaces, where main requirements involve the following:

Efficient Heat Transfer
Ease of Installation
Ease of Fabrication
Ease of Welding
Heat Resistance
Oxidation Resistance
Corrosion Resistance
No Contamination
Low-temperature Strength
High-temperature Strength



for mechanical uses

Mechanical tubing is used for the manufacture of structural units, and various kinds of hollow precision parts, such as aircraft parts, automobile parts, axles, bearings, engine parts, conveyor rollers, hydraulic cylinders, electrical parts, farm implement parts, shafts, textile machinery, X-ray equipment, and tractors, where main requirements involve the following:

Strength
Light Weight
Dimensional Accuracy
Abrasion Resistance
Corrosion Resistance
Ease of Machining
Ease of Forming
Ease of Welding

TUBULAR PRODUCTS DIVISION

stainless, alloy and carbon steel tubing . . . seamless and welded

B&W steel tubing

types

Seamless tubes—hot-finished, cold-drawn, or roto-rocked.

Welded tubes—from hot-rolled or cold-rolled strip.

grades

Stainless steels—B&W Croloys 12 to 27.

Intermediate chrome molybdenum alloys—B&W Croloys ½ to 9.

SAE—AISI alloys and nitralloy steels.

Nickel steels—B&W Nicloys 3½, 5, and 9.

Carbon molybdenum steels—in various grades.

Carbon steels—in various grades.

size range

Up to 9⅝ inches outside diameter in a wide range of wall thicknesses.

surface finishes

As rolled, as drawn, as welded, flash removed, turned, scale-free, and polished.

specifications

Made to any of the standard specifications such as those of the ASTM and U.S. Government.

quality

Open-hearth and electric-furnace steels, including aircraft and magnaflux qualities.

condition

Unannealed, annealed, tempered, normalized, or otherwise heat-treated as required.

shapes

Round, square, rectangular, or other shapes.

fabrication

Upsetting, swaging, expanding, bending, safe-ending, and machining.

tube application data and technical information available on request

tubing for the process industries

Properties and Methods of Working Seamless and Welded Tubes and Pipe of the B&W Stainless Croloys—*Bulletin TB-1.*

Properties of Carbon and Alloy Seamless Steel Tubing for High-Temperature and High-Pressure Service—*Bulletin TB-6.*

Methods of Working Seamless Tubes and Pipe of the Intermediate B&W Croloys—*Bulletin TB-9.*

Helping to Keep Down Maintenance Costs in Pulp and Paper Mills—*Bulletin TB-328.*

Some Experiences in Service (Power, Oil and Chemical Plants)—*Bulletin TR-516.*

stainless sanitary tubing

B&W Stainless Steel Tubing for the Food Processing Industry—*Bulletin TA-1517.*

mechanical tubing

Hundreds of Different Parts Made Economically from B&W Mechanical Tubing—*Bulletin TB-324.*

Better Products at a Saving with B&W ERW Carbon Steel Mechanical Tubing—*Bulletin TB-333.*

Cut Parts Production Costs at the Start with B&W Cold-Drawn Mechanical Tubing, Seamless Carbon Steel—*Bulletin TB-339.*

A Guide to the Use of Seamless Mechanical Tubing, Hot-Finished, Cold-Drawn, Roto-Rocked—*Bulletin TB-340.*

B&W Alloy Steel Tubing Medium-Carbon Grades (Full-Hardening) for Mechanical Uses—*Bulletin TDC-141.*

B&W Alloy Steel Tubing Low-Carbon Grades (Carburizing) for Mechanical Uses—*Bulletin TDC-149.*

aircraft tubing

B&W Tubing for the Aircraft Industry, Stainless, Alloy and Carbon Steels, Seamless or Welded—*Bulletin TB-337.*

alloy and stainless pipe

B&W Stainless Pipe, Seamless or Welded—*Bulletin TB-332.*

B&W Pipe, Seamless and Welded, Carbon, Alloy, and Stainless Steels, Dimensions, Weights, Specifications, Analyses—*Bulletin TDC-138.*

condenser and heat exchanger tubing

B&W Heat Exchanger and Condenser Tubes, Seamless and Welded, Stainless, Alloy, and Carbon Steels—*Bulletin TB-329.*

boiler tubes

B&W Electric-Resistance-Welded Steel Boiler Tubes—*Bulletin TB-331.*

B&W Carbon Steel Tubing, Seamless or Welded, for Pressure Uses—*Bulletin TDC-142.*

want help on tubing selection?

Are you expecting too *much* or too *little* from the grade of tubing you now use or plan to use in some particular application? Possibly you could use a lower grade and save on initial cost without materially affecting performance. Or, you might switch to a higher alloy and get service dividends far beyond the negligible increase in cost.

Let the B&W technical staff help you make the most suitable choice of tubing for your specific use. They have worked closely with design and operating engineers in almost every branch of industry, and this first-hand knowledge of tubing applications—extending over many years—is an exceptional advantage in helping you determine the tubing you need to do *your* job economically.

B&W

seamless or welded tubular products

MECHANICAL TUBING

AIRCRAFT TUBING

BEARING TUBING

DAIRY AND OTHER SANITARY TUBING

STILL TUBES

BOILER TUBES

CONDENSER AND HEAT EXCHANGER TUBES

PIPE

types:

SEAMLESS TUBES—*hot-finished, cold-drawn, or roto-rocked*

WELDED TUBES—*from hot-rolled or cold-rolled strip*

shapes:

Round, square, rectangular, or special shapes

grades:

A wide range of carbon, alloy, and stainless steels

fabrication:

Upsetting, swaging, expanding, bending, safe-ending, and machining

sales offices

BEAVER FALLS, PA. . . . . 712 Eleventh Street

BOSTON 16, MASS. . . . . 250 Boylston Street

CHICAGO 3, ILL. . . . . 105 So. LaSalle Street

CLEVELAND 14, OHIO . . . . . 629 Euclid Avenue

DENVER, COLO. . . . . 1321 Bannock Street

DETROIT 26, MICHIGAN . . . . . 615 Griswold Street

HOUSTON 19, TEXAS . . . . . 2132 Welch Street

LOS ANGELES 17, CALIF. . . . . 1111 Wilshire Blvd.

NEW YORK 16, N. Y. . . . . 22 East 40th Street

PHILADELPHIA 2, PA. . . . . 111 S. 15th Street

ST. LOUIS 1, MO. . . . . 818 Olive Street

SAN FRANCISCO 3, CALIF. . . . 785 Market Street

SYRACUSE 2, N. Y. . . . . 109 S. Warren Street

TULSA 3, OKLAHOMA . . . . . 427 Boston Street

Warehouse stocks of B&W Seamless and Welded Tubing in Carbon, Alloy and Stainless Steels are maintained by distributors in principal cities

foreign sales representatives

CUBA—Agencia Macfarlane, S. A., Apartado No. 109, Havana

CANADA—John H. Bolton—159 Bay Street, Toronto

PUERTO RICO—Portilla Corp.—P. O. Box 3334—San Juan 15

TUBULAR PRODUCTS DIVISION B&W

THE BABCOCK & WILCOX COMPANY

tubular products division

plants and general offices:

BEAVER FALLS, PA., Seamless Tubing; Welded Stainless Steel Tubing

ALLIANCE, OHIO Welded Carbon Steel Tubing

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